Abstract of the Disclosure

A distributed application has a client software component
on a client computer which communicates with server
software on a server computer by way of a remote
procedure call (RPC) system. The server has a persistent
memory manager which keeps data available in high-speed
memory and periodically backs up the data to disk or other
lower-speed memory. Keeping transactions short and
synchronous permits the entire database to be locked during
each transaction. The system can provide responsiveness
and usability approaching that of a stand-alone application.